In the Claims

Applicant has submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Listing of the Claims

1.   (Currently amended) A telephony device connected to a telephone line which supports multiple different telephone signal protocols, comprising:

a termination impedance circuit configured to provide an impedance associated with a frequency range of a [[first]] DSL signal protocol, and an impedance associated with a frequency range of a [[second]] POTS signal protocol, wherein the impedance associated with the frequency range of the [[second]] POTS signal protocol is selectable to provide one of an [[off-state]] off-hook impedance and an [[on-state]] on-hook impedance in response to one of an [[off-state]] off-hook condition and an [[on-state]] on-hook condition associated with the [[second]] POTS signal protocol, the termination impedance circuit providing at least one combined signal having DSL and POTS components; and

an echo cancel circuit coupled to the termination impedance circuit to receive the combined signal, the echo cancel circuit adapted to provide an adjustment to [[, when present, signals]] the at least one combined signal provided by the termination impedance circuit, the echo cancel circuit having a select signal to select the adjustment from a plurality of adjustments.

2.   (Currently amended) The telephony device of claim 1 wherein the termination impedance circuit comprises at least first and second impedance elements associated respectively with the [[first]] DSL and [[second]] POTS signal protocols, and a switch network which selects different combinations of the at least first and second impedance elements to selectably provide one of the [[off-state]] off-hook and the [[on-state]] on-hook impedance.

975125.1

3.   (Previously presented) The telephony device of claim 2 wherein the termination impedance circuit further comprises a blocking capacitor connected in series with the first impedance element.

4-7.   (Canceled)

8.   (Currently amended) The telephony device of claim 1, wherein the echo cancel circuit includes a plurality of echo-cancel hybrid networks, each of the plurality of echo-cancel hybrid networks configured to receive[[, when present, signals]] the at least one combined signal provided by the termination impedance circuit and to provide at least one adjusted signal adjusted by a respective one of the plurality of adjustments.

9.   (Previously presented) The telephony device of claim 8 wherein the echo cancel circuit further comprises a multiplexer coupled to the plurality of echo-cancel hybrid networks to select one or more of the at least one adjusted signal provided by each of the plurality of echo-cancel hybrid networks.

10-16. (Canceled)

17. (Currently amended) The telephony device of claim 2 wherein the switch network responds to a hook signal that indicates the [[off-state]] off-hook and [[on-state]] on-hook conditions associated with the [[second]] POTS signal protocol.

18. (Currently amended) The telephony device of claim 1 wherein a magnitude associated with the [[off-state]] off-hook impedance is greater than a magnitude associated with the [[on-state]] on-hook impedance.

975125.1

19. (Currently amended) The telephony device of claim 18, wherein the magnitude associated with the [[off-state]] off-hook impedance is greater than about 2000 ohms, the magnitude associated with the [[on-state]] on-hook impedance is about 600 ohms, and a magnitude associated with the impedance associated with the frequency range of the [[first]] DSL signal protocol is about 100 ohms.

20. (Currently amended) The telephony device of claim 1, wherein the frequency range of the [[first]] DSL signal protocol is associated with a range of frequency values greater than a range of frequency values associated with the frequency range of the [[second]] POTS signal protocol.

21. (Currently amended) The telephony device of claim 1, wherein a magnitude of the impedance associated with the frequency range of the [[first]] DSL signal protocol is substantially constant for all frequencies of the frequency range of the [[first]] DSL signal protocol.